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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicants	27.200	ent's file reference	T					
Le A 32 7	_		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/EP99/03392			International filing date (day/month/year)		/year)	Priority date (day/month/year)		
			17/05/1999			28/05/1998		
C07K16/0		nt Classification (IPC) or na	ational classification and IPC					
Applicant								
BAYER AKTIENGESELLSCAFT et al.								
and is	and is transmitted to the applicant according to Article 36.							
be (s	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
111626	These annexes consist of a total of sheets.							
			4.					
This report contains indications relating to the following items:								
,	×	Basis of the report						
- 11		Priority		.*				
111		Non-establishment of o	pinion with regard to no	velty, inv	entive step	and industrial applicability		
īV		Lack of unity of invention	on					
٧	⊠		inder Article 35(2) with re ons suporting such state	egard to i	novelty, inve	entive step or industrial applicability;		
VI		Certain documents cit	ęd					
VII		Certain defects in the i	nternational application			•		
VIII		Certain observations o	n the international applic	cation				
Date of submission of the demand				Date of completion of this report				
19/11/1999				16.02.2000				
Name and mailing address of the international					Authorized officer			

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP99/03392

I. Basis of the report

1. This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

	the report since they do not contain amendments.):							
	Des	Description, pages:						
	1-33	3,35-40	as originally filed					
	Clai	Claims, No.:						
	1-5		as originally filed					
	Drawings, No.:							
	1-4		as originally filed					
2.	The	he amendments have resulted in the cancellation of:						
		the description,	pages:					
•		the claims,	Nos.:					
		the drawings,	sheets:					
3.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):						
4. Additional observations, if necessary:								
		see separate she	et					



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP99/03392

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: No: Claims 1-5 Claims

Inventive step (IS)

Yes: Claims 1-5

"

Claims

Industrial applicability (IA)

No: Yes:

Claims 1-5

No:

Claims

2. Citations and explanations

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

1. Comments with respect to item !

There appears to be no page 34 being part of the description. Indeed, the only page 34 of the file is the sheet with the claims.

Page 35 is that page which briefly describes the figures in the drawings.

Pages 36-40 correspond to the sequence listing filed as being part of the original description (see Box No. VIII of the PCT Request).

2. Comments with respect to item V

- A monoclonal antibody as defined in either of claims 1 and 3 appears not to a) be disclosed in the relevant state of the art (see the international search report). Therefore, the claimed subject-matter as a whole can be regarded as new, in accordance with the requirements of Article 33(2) PCT.
- b) It can be considered that the invention has solved in a non-obvious way the technical problem posed by the preparation of monoclonal antibodies that allow the sensitive detection of native PIIINP from patient samples. The preparation of monoclonal antibodies directed against an epitope within the 30-most N-terminal amino acids of human PIIINP (see claims 1-2) or of a monoclonal antibody as defined in claim 3 is not suggested by the relevant state of the art. Nor is the use of such an antibody in an immunoassay in combination with an antibody as defined in claim 3 (see claim 4) or an antibody directed against PIIINP that specifically detects trimeric PIIINP (see claim 5). Therefore, it can be acknowledged that the claimed subject-matter as a whole involves an inventive step, in accordance with the requirements of Article 33(3) PCT.